WHAT IS CLAIMED IS:

1. An optical modulation element capable of forming a reflective diffraction grating in which heights of a plurality of elements each having a reflecting surface periodically change,

wherein the reflecting surfaces of at least one of the plurality of elements are driven in a direction of height by piezoelectric elements.

- 2. An element according to claim 1, wherein the plurality of elements each having the reflecting surface are two-dimensionally arrayed by juxtaposing long sides.
- 3. An element according to claim 1, wherein said plurality of elements are respectively provided with the piezoelectric elements the polarities of electric fields of which are alternately different from each other.

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4. An element according to claim 3, wherein a rear surface side of an effective reflecting portion of each of the elements is fixed to the piezoelectric element.

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5. An element according to claim 1, wherein a deformation amount of a projecting or recessed shape of

each element is changed by adjusting a voltage to be impressed to the piezoelectric element, thereby controlling an intensity of reflected light.

- 6. An element according to claim 1, wherein when the reflecting surfaces of the plurality of elements are substantially flush with each other, said reflecting surfaces act as a flat mirror as a whole.
- 7. An element according to claim 1, wherein each of the elements is a strip-shaped element having a width of about 5 μm .

At Air

- An element according to any one of claims 1 to
 8, wherein pixels each formed from the plurality of
 elements are arranged in a two-dimensional array.
 - 10. A projection apparatus including an optical modulation element for modulating incident light in accordance with a video signal,
- wherein the optical modulation element is formed from said optical modulation element of any one of claims 1 to 9.